IODP Exp. 347 Baltic Sea Paleoenvironment
SEDIMENT SMEAR SLIDE
&THIN SECTION WORKSHEET

Expedition	Site	Hole	Core	Type	Sec	Interval (cm) Top	Interval (cm) Bottom
347	60	A	8	H	1	41	42

Sediment	Greenish gray sandy ~~silty~~ clayey silt	Observer	SP

Smear Slide

Dominant Lithology	Minor Lithology
X	

Percent Terrigenous Texture		
Sand	Silt	Clay
~~5~~ 10	85	5

Comments:

Second smear slide at 8H1 60-61 to check for gypsum — consists of birefringent fibers, pink color
Fragments of freshwater diatoms?
Angular to subrounded sand-sized quartz grains
Green amphibole in fine sand-silt fraction
Birefringent gypsum? fibers: 3%

Percent	Component
	SILICICLASTIC GRAINS/MINERALS
	Framework minerals
~~85~~ 82	Quartz
	Feldspar (undifferentiated)
	K-feldspar (Orthoclase, Microcline...)
	Plagioclase
	Rock fragments
	Volcanic glass
	Accessory/trace minerals
	Micas
	Biotite
	Muscovite
	Chlorite
5	Clay sized fraction
	Glauconite
3	Ferromagnesian minerals
1	Other dense minerals
1	Detrital carbonate
3	Gypsum
	Authigenic minerals
	Zeolite
	Pyrite
1	Opaque minerals (undifferentiated)
	Fe-oxide
	Carbonates
	Micrite
	Others

Percent	Component
	BIOGENIC GRAINS
	Calcareous
	Foraminifera
	Nannofossils
	Pteropods
	Ostracods
	Echinoderm
	Bivalves
	Bryozoans
	Corals
	Sponge spicules
	Other spicules
	Bioclast (undifferentiated)
	Siliceous
	Radiolarians
3	Diatoms
	Silicoflagellates
	Sponge spicules
1	Siliceous debris (undifferentiated)
	Others
	Dinoflagellates
	Pollen
	Organic debris
	Plant debris
	Fish remains (teeth, bones, scales)
	Others